

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Alamogordo, NM 88210
District III
1000 Rio Brazos Road, Artesia, NM 88210
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

¹ Operator Name and Address Plantation Operating, LLC 2203 Timberloch Place, Suite 229, The Woodlands, Texas 77380		² OGRID Number 237788
		³ API Number 30 - 015-20838
⁴ Property Code 303089	⁵ Property Name Yates State	⁶ Well No. 1
⁹ Proposed Pool 1 Burton Flat (Morrow)		¹⁰ Proposed Pool 2

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	10	21S	27E		1980'	South	1980'	West	Eddy

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

¹¹ Work Type Code E	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3259'
¹⁶ Multiple No	¹⁷ Proposed Depth 11,614'	¹⁸ Formation Burton Flat (Morrow)	¹⁹ Contractor To Be Determined	²⁰ Spud Date ASAP
Depth to Groundwater >1000'		Distance from nearest fresh water well > 1,000'		Distance from nearest surface water > 1,000'
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: _____				
Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	611'	660	Surface
12-1/4"	9-5/8"	36#	2970'	1325	Surface
8-3/4"	7"	23,26,29#	11,614'	550	~9450' Temp survey

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Operator proposes the following:

- 1.) RIH and squeeze Bone Springs perms from 8470-78'.
- 2.) Drill out to top of packer @ 11,245'.
- 3.) Latch on to and retrieve Guiberson packer at 11,245'.
- 4.) Perf and test 11,220 - 11,426'.
- 5.) Drill out bridge plug at 11,445' and clean out to TD at 11,614'.
- 6.) Place well back on production.

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Kimberly Faldyn

Title: Production Tech

E-mail Address: kfaldyn@plantationpetro.com

Date: 11/16/2006

Phone: 281-296-7222

OIL CONSERVATION DIVISION

Approved by:

BRYAN G. ARRANT

Title:

Approval Date:

DEC 04 2006

Expiration Date: DEC 04 2007

Conditions of Approval Attached ☐

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. 1st Avenue, Artesia, NM 88210
District III
1000 Rio Pecos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505



Form C-102
Revised October 12, 2005
Submit to appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
PENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-20838	² Pool Code 73280	³ Pool Name BURTON FLAT (MORROW) GAS
⁴ Property Code 303089	⁵ Property Name YATES STATE	
⁶ OGRID No. 237788	⁷ Operator Name PLANTATION OPERATING LLC	
		⁸ Well Number 1
		⁹ Elevation 3259

¹⁰ Surface Location

UL or lot no. K	Section 10	Township 21S	Range 27E	Lot Idn	Feet from the 1980	North/South line SOUTH	Feet from the 1980	East/West line WEST	County EDDY
---------------------------	----------------------	------------------------	---------------------	---------	------------------------------	----------------------------------	------------------------------	-------------------------------	-----------------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 320	¹³ Joint or Infill N	¹⁴ Consolidation Code		¹⁵ Order No.					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>16</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and completed the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division</p> <p>Signature Date 11/27/06</p> <p>Printed Name John Allred</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>Certificate Number</p>

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GASWELLS

JAN 16 1974

Type Test <input type="checkbox"/> Initial <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Special		Test Date Jan. 9, 1974		O. C. C.	
Company Coquina Oil Corporation			Connection El Paso Natural Gas		
Pool Burton Flat			Unit Morrow		
Completion Date 8-1-73		Total Depth 11,614		Plug Back TD 11,580	
Elevation 3275 K M		Farm or Lease Name Yates State			
Csg. Size 7	Wt. 23	d 	Set At 11,614	Perforations: From 11,454 To 11,513	
Well No. 1					
Tub. Size 2 7/8	Wt. 6.8	d 	Set At 11,512	Perforations: From To	
Unit 10	Sec. 21s	Twp. 27e			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 11,403	
Producing Thru Morrow		Reservoir Temp. °F 192° 11,512		Mean Annual Temp. °F 60	
Baro. Press. - P _a 13.2		County Eddy			
State New Mexico					
L 11,512	H 11,512	G _g .575	% CO ₂ 0	% N ₂ 0	% H ₂ S 0
Prover 	Meter Run 4,026	Taps Flange			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							3650				24 hrs.
1.	4.0"	2.0"	680	21	68	3345	73				90 Min.
2.	4.0"	2.0"	715	31.8	70	3248	84				90 Min.
3.	4.0"	2.0"	755	46	70	3085	85				90 Min.
4.	4.0"	2.0"	780	79	70	2812	86				90 Min.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	19.81	120.65	693.2	.9924	1.319	1.054	3,297
2	19.81	152.17	728.2	.9905	1.319	1.056	4,159
3	19.81	187.98	768.2	.9905	1.319	1.060	5,157
4	19.81	250.33	793.2	.9905	1.319	1.062	6,880
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Dry Gas Mcf/bbl.
1.	1.012	528	1.517	.900	A.P.I. Gravity of Liquid Hydrocarbons None Deg.
2.	1.064	530	1.522	.896	Specific Gravity Separator Gas .575 X X X X X X X X
3.	1.143	530	1.522	.890	Specific Gravity Flowing Fluid X X X X X
4.	1.180	530	1.522	.886	Critical Pressure 672 P.S.I.A. P.S.I.A.
5.					Critical Temperature 348 R R

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 2.9343$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 2.660$
1						
2						
3						
4						
5						

Absolute Open Flow 18,301 Mcfd @ 15.025				Angle of Slope @ 47		Slope, n 90876	
Remarks: P _w Substituted For P _t Bottom Hole Pressure Measured With Amerada Instrument							
Element No. 2981 N 4800#							
Approved By Commission:		Conducted By: <i>Ray Camp</i>		Calculated By: <i>John Spruell</i>		Checked By: <i>Ray Camp</i>	



Plantation Petroleum Companies

Plantation Petroleum Holdings III, LLC; Plantation Operating, LLC

Kimberly Faldyn
Production Tech

2203 Timberloch Place, Ste. 229
The Woodlands, TX 77380
Tel: (281) 296-7222
Fax: (281) 298-2333

November 17, 2006

VIA DHL

State of New Mexico
Oil Conservation Division
1301 W. Grand Avenue
Artesia, NM 88210

Attn: Mr. Bryan Arrant

**RE: Filing C-101 Form for Plantation Operating, LLC
Yates State #1**

Dear Mr. Arrant:

Attached please find our C-101 to recomplete the Yates State #1 in Eddy County, New Mexico.

Should you have any questions or need additional information, please feel free to call Kim Faldyn at (281) 296-7222 or e-mail at kfaldyn@plantationpetro.com. Thank you for your attention to this matter.

Sincerely,


Kimberly Faldyn
Production Tech



Plantation Petroleum Companies

Plantation Petroleum Holdings III, LLC; Plantation Operating, LLC

Kimberly Faldyn
Production Tech

2203 Timberloch Place, Ste. 229
The Woodlands, TX 77380
Tel: (281) 296-7222
Fax: (281) 298-2333

November 29, 2006

VIA DHL

State of New Mexico
Oil Conservation Division
1301 W. Grand Avenue
Artesia, NM 88210

Attn: Mr. Bryan Arrant

**RE: Yates State #1
C-102 & H2S Analysis**

Dear Mr. Arrant:

Attached please find our new C-102 as per your request in order to recomplete the Yates State #1 in Eddy County, New Mexico.

The Yates State #1 is currently shut-in and we are requesting to recomplete to the Morrow formation. Attached please find the Back Pressure Test for the Yates State #1 in the Morrow showing no H2S in this formation. Plantation Operating, LLC does have a Contingency Plan for H2S already prepared in the event it should need to be implemented.

If you have any questions or need additional information, please feel free to call Kim Faldyn at (281) 296-7222 or e-mail at kfaldyn@plantationpetro.com. Thank you for your attention to this matter.

Sincerely,


Kimberly Faldyn
Production Tech





Well Name: **Yates State #1** Plantation ID Number: **8967**
Location: **1980' FSL & 1980' FWL** Sec: **10-K** Township: **21S**
County: **Eddy** State: **NM** API: **30-015-20838**

Lease Type: **State**
Range: **27E**
Formation: _____

Surface Csg
Size: **13-3/8"**
Wt.&Thrd: **48#**
Grade: **H-40**
Set @: **611'**
Sxs cmt: **660 sx**
Circ: **10 sx**
TOC: _____
Hole Size: **17-1/2"**

KB: **3275'**
DF: _____
GL: **3259'**
Spud Date: **4/27/1973**
Compl. Date: **6/22/1973**

Intermediate Csg 1
Size: **9-5/8"**
Wt.&Thrd: **36#**
Grade: **J-55**
Set @: **2970'**
Sxs Cmt: **1325 sx**
Circ: _____
TOC: _____
Hole Size: **12-1/4"**

7" csg parted @3083'
Pull & LD 7" csg (corrosion)
Run slip joint & re-runable
7" csg. Cmt w/500 sx cmt

Suicide sqz w/100 sx

Guiberson 7" 29# pkr w/ on/off w/
1.225 ID "F" nipple profile left in hole
w/2-7/8" cut. 28' tbg on pkr
Pkr @ 11,245', TOF 11,218'

Production Csg
Size: **7"**
Wt.&Thrd: **23#, 26#, 29#**
Grade: _____
Set @: **11,614'**
Sxs Cmt: **800 SX**
Circ: _____
TOC: **~9450' Temp Srvy**
Hole Size: **8-3/4"**

CIBP @ 11,445'

PBTD 8,600'
TD 11,614'

7970-71' Sqz holes
8380-81' Sqz holes (4)
8650-51' Sqz holes (4)
Perfs: 8470-78'

**PBTD: 8600'
8975-76' Sqz holes (4)

TOC @ 9,450'
CIBP @ 10,150'

10,211-221'
10,262-297'

Strawn - Squeezed
Strawn - Squeezed

11,280-300'
11,454-490'
11,505-513'

Morrow - Abandoned
Morrow - Abandoned
Morrow - Abandoned

History - Highlights

4/27/1973: Spud well 4/27/73, Drilled to 612'. Cmt csg at 611'.
Drill to 2970'. Cmt csg at 2970'. Drilled to 11,610' TD. Run logs.
Cmt 7" csg set at 11,610'. Clean out well to PBTD 11,604'. Perf
Strawn w/2 JSPF from 10,262-297' w/ 70 holes. Acidized w/150 gals
15% MS acid. Set pkr at 11,403' with guns to perf Morrow w/2 JSPF
from 11,454-490' and 11,505-513' w/88 holes.
12/3/1977: Run new 2-7/8" tbg run with RBP set at 10,247' w/pkr
set at 10,100'. Perf Strawn from 10,211-221' w/2 JSPF and
acidized w/4000 gals 15% NE acid. TOH w/RBP. RIH w/2 strings
tbg w/packers and return well to prod.
8/4/1980: Acidized present Morrow zone at 11,454-513'
w/3000 gals 7-1/2% acid w/1500 SCF nitrogen per bbl. Strawn
perfs were not squeezed but blanked off w/pkr. Producing out
of the Morrow zone only.
5/23/1988: RIH w/ EZSV CR and set at 11,445'. Squeeze
Strawn perfs w/150 sx cmt. Drilled out cmt to top of CIBP.
Test to 1000 psi. OK. Spot 250 gals acetic acid across perf zone.
Perf well from 11,280-300' w/2 SPF. Acidized w/3250 gal Morrow
acid. SI well pending possible further stimulation.
5/18/2002: Found 7" csg parted at 3080'. Pkr left in hole
w/2-7/8" cut tbg. 28' tbg on pkr. Pkr @ 11,245', TOF @ 11,218'.
Set CIBP at 10,150' and topped w/cmt. Tag PBTD 10,111'. Shot
cmt hole at 8,650'. Pumped 100 sx H w/additives. Set CIBP @
3363', set rtn @ 3040'. Pumped 350 sks C Line and 150 sks C.
Drid out cmt from 3008-3363', drld cmt at 7750' to PBTD @ 8600'.
Ran CBL from 2960'-8595'. Perf Bone Spring Carb 8470-78' and
acidized w/1000 gals 15% NeFe. Re-acidized w/3000 gals. SI well.



Tubulars - Capacities and Performance

bbf/ft	cf/ft	Tensile (lbs)	Burst (psi)	Collapse (psi)	ID(in)	Drift (in)